

# LIGHT PATTERN PROJECTION SYSTEM

## ABSTRACT OF THE DISCLOSURE

A light projection apparatus comprising a plurality of light emitting diodes (LEDs) of  
5 two or three primary colors adapted to provide light along a light path common to said LEDs.  
The output color of the collective diodes is controlled by displaying the various colors at  
carefully controlled intensities, and the resulting colored light projected through a transmissive  
LCD matrix interposed within the light path resulting in a light pattern. A mirror positioned  
within but at an oblique angle to the light path reflects the light pattern in a direction dictated by  
10 the angle of the mirror to the light path where the angle axis is modified by a pair of worm  
drives affixed to transverse axes of the mirror mount.